

AUGUST 1993



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**COVER STORY
KA6LZI - UNSUNG HERO
SEE PRESIDENT'S MESSAGE**



1993 CLUB OFFICERS

| | | | |
|-----------------|------------------|--------|--------------|
| PRESIDENT | LILY ANNE HILLIS | N6PGM | 415-325-5484 |
| VICE-PRESIDENT | ANDY KORSAK | VE3FZK | 415-366-5228 |
| SECRETARY | JOHN GOMPERS | WB7TEM | 408-879-0541 |
| TREASURER | LILY ANNE HILLIS | N6PGM | 415-325-5484 |
| TRUSTEE, W6OTX | FRED CANHAM | K6YT | 415-948-9238 |
| PROPERTY/BADGES | FRED CANHAM | K6YT | 415-948-9238 |
| REFRESH/CO-PROP | JOHN BUONOCORE | KD6ZL | 415-366-1658 |
| ARES OFFICER | LILY ANNE HILLIS | N6PGM | 415-325-5484 |
| CLUB HISTORIAN | | | |

BOARD OF DIRECTORS

| | | | |
|---------------|--------|---------|--------------|
| GILL LANE | KJ6TF | 1992-93 | 415-856-0154 |
| CHUCK JOHNSON | N6VFH | 1992-93 | 408-251-8536 |
| BILL ZANER | WB6IYS | 1993-94 | 415-856-2089 |
| CHRIS REMPEL | N6VZD | 1993-94 | 415-341-7578 |
| GERALD TUCKER | WA6LNV | 1993-94 | 415-326-4908 |
| J. GOLDBERG | KD6PBH | 1993-94 | 408-378-0767 |
| DAVE MEACHAM | W6EMD | 1993-94 | 415-369-2633 |

PAARA/GRAPHS STAFF

| | | | |
|---------|-----------------|--------|--------------|
| EDITOR | CHUCK JOHNSON | N6VFH | 408-251-8536 |
| MAILING | BILL McELHINNEY | KA6LZI | 415-325-9808 |

PAARA POLICIES

MEMBERSHIP IN PAARA IS \$6.00 PER CALENDAR YEAR WHICH INCLUDES A SUBSCRIPTION TO PAARA/GRAPHS. MAKE PAYMENT TO THE PALO ALTO AMATEUR RADIO ASSOCIATION, P.O. BOX 911, MENLO PARK, CA 94026

CLUB NET 147.45 MHZ MONDAYS 8:30 PM

MEETINGS: 7:30 PM ON THE FIRST FRIDAY OF EACH MONTH AT THE MENLO PARK RECREATION CENTER, 700 ALMA STREET.

SEND PAARA/GRAPHS CORRESPONDENCE TO:

CHUCK JOHNSON N6VFH, EDITOR
3309 MT. LOGAN DRIVE
SAN JOSE, CA 95127

FROM THE EDITOR'S DESK

KUDOS TO OUR COVER STORY KA6LZI ! LILY N6PGM
TELLS US THE DETAILS IN HER PRESIDENT'S MESSAGE.

ALSO:

THIS MONTH'S ISSUE CONTAINS AN EXPANDED FEATURE
ON THE C.O.A.X. (COALITION OF AMATEUR EXPERIMENTERS)
ORGANIZATION AND IT'S REPLICATION OF THE PAARA
TRAILER EXPERIENCE ! HISTORY REPEATING ITSELF !
TIL NEXT TIME, 73 DE YOUR EDITOR.

SPEAKER OF THE MONTH

SPECIAL GUEST SPEAKER

being set up for August !
Keep an ear on the PAARA
net for latest details !

REMEMBER !

Open Home Brew Nite now
at every meeting. Bring ur
creations to show-'n-tell
with the club !

Meeting Friday August 6th!
Be There or Be Square!

-DE ANDY VE3FZK, PROGRAM CHAIRMAN

PRESIDENT'S MESSAGE



KA6LZI FEATURE PHOTOS

DE N6PGM

UNSUNG HEROES DEPARTMENT....

FOR NEARLY A DECADE, BEHIND THE SCENES, OUR VERY OWN BILL "LEGS" McELHINNEY KA6LZI HAS TOILED TIRELESSLY AS PAARA'S POSTMASTER GENERAL AND DIRECTOR OF INFORMATION SYSTEMS. ALTHOUGH MODESTY PREVENTS HIM FROM REVEALING THE ACTUAL NUMBER OF HOURS THIS JOB ENTAILS, WE CAN BE SURE THAT THE TIME SPENT IS CONSIDERABLE. TOGETHER WITH CHUCK N6VFH (EDITOR EXTRAORDINAIRE) OUR PAARAGRAPHS SOMEHOW REACHES US AMIDST ADVERSE CIRCUMSTANCES OF TIME AND TRANSIT, BECAUSE OF THE DEDICATION OF "LEGS" McELHINNEY. SO MANY THANKS BILL, FROM ALL OF US.

DE LILY N6PGM

PAARA FIELD DAY '93

RECAP

DE GERRY WA6LNV

ANOTHER GREAT FIELD DAY SCORE IS IN THE MAIL. APPLY THE WORD GREAT TO BOTH FIELD DAY AND TO SCORES. WE BETTERED SEVERAL OF OUR RECENT 3A SCORES AND CAME CLOSE TO OUR 5 YEAR HIGH OF 4930 SET IN 1989. ALL THIS WITH ONLY 2 TRANSMITTERS! OUR SCORE IS 4,620 WITH 900 BONUS POINTS. ALL OF THIS WITH ONLY 2 TRANSMITTERS! I ATTRIBUTE THIS TO AN IMPROVED SHOWING BY THE PHONE OPS. THANKS TO FRED K6YT, THE CW CREW HAS ALWAYS HAD A GREAT GROUP OF FISTS SHOW UP, BUT THIS YEAR SOME PRIZE OPERATORS SHOWED UP ON PHONE (AIDED IN NO SMALL WAY BY MY SLEEPING MOST OF THE NIGHT). BUT THE NEAT PART OF THIS FIELD DAY WAS SEEING SO MANY NEW FACES SHOWING SO MUCH ENTHUSIASM. IT STARTED ON FRIDAY NIGHT SETUP AND CONTINUED RIGHT THROUGH SUNDAY MORNING. I HOPE EVERYONE HAD ENOUGH FUN AND WILL DO IT AGAIN NEXT YEAR.

BILL AA6PA CAPTAINED THE VHF/UHF TRANSMITTER, WORKING EVERY BAND FROM 6 METERS TO 1296-- THIS WAS A NEW ARRL 100-POINT BONUS ACTIVITY. LARS AA6IW RAN THE SATELLITE ACTIVITY WITH THE HELP OF HIS SON SHELL. HE USED THE NEW CLUB ANTENNAS, BUT EVERYTHING ELSE INCLUDING THE TOWER TRAILER WAS HIS. SPEAKING OF TOWER TRAILERS, WE HAD 3 THIS YEAR, N6FEG'S HOLDING THE 15 METER BEAM AND MINE LOANED TO THE NOVICE VHF ACTIVITY. CHRIS N6VZD CAPTAINED THE NOVICE GROUP ANT THEY ACTUALLY MADE A TOKEN APPEARANCE ON 40 METERS WITH 3 QSO'S. LILY ANNE N6PGM CAPTAINED THE STEAK DINNER OPERATION WHICH WITHOUT A DOUBT WAS THE HIGHLIGHT OF THE 6 TO 8 PM TIME SLOT. IF YOU WERE THERE YOU KNOW FRIDAY SETUP WAS BRUTALLY HOT BUT WE COULDN'T HAVE ASKED FOR BETTER WEATHER ON SATURDAY AND SUNDAY. ANDY VE3FZK ABLY HANDLED THE NATURAL POWER AND PACKET EFFORTS. I WANT TO THANK EVERYONE WHO CAME OUT FOR FIELD DAY AND ESPECIALLY MY PHONE OPS WIM ON4AFR, DAVE WS6W, VIC AB6SO, JEFF N6ZFX, LISA KD6BLK, AND DAVE W6EMD.

DE WA6LNV
FIELD DAY CHAIRMAN

(SEE FD '93 STAT SUMMARY ON NEXT PAGE)

FD '93 STATS



Field Day

Do not write above this line

1. Field Day Call Used W6OTX 2. Club or group name Palo Alto Amateur Radio Assn

3. Field Day location End of Bay Road - East Palo Alto

4. Check if you began set up prior to 1800 UTC Saturday. ☒

5. Number of people participating in this operation. 36

6. Number of transmitters in simultaneous operation. 2

7. ARRL/Canadian Section PAC/SCV 11.

8. Entry Class (check one only):

- ☒ A Club or non club group portable
☐ B Non club portable Top 2op list operators
☐ C Mobile
☐ D Home station (commercial power)
☐ E Home station (emergency power)

9. Power source

- ☒ Generator ☐ Battery
☐ Commercial mains ☐ Other

10. Call sign of Novice/Technician station N6VZD (class 2A and above)

12. Total CW QSOs 677 $\times 2 =$ 1354

Total phone QSOs

956 $\times 1 =$ 956

Total QSO points

2310

| CW | | | PHONE | | |
|-------|------|--------------|-------|------|--------------|
| | QSOs | Power Output | | QSOs | Power Output |
| 160 | | | 160 | | |
| 80 | | | 80 | | |
| 40 | 126 | 90W | 40 | 28 | 90W |
| 20 | 374 | 90W | 20 | 666 | 90W |
| 15 | 140 | 90W | 15 | 128 | 90W |
| 10 | | | 10 | | |
| 6 | | | 6 | | |
| 2 | | | 2 | 5 | 10W N.Pac |
| Other | 8 | 100W Sat | Other | 1 | 100W SAT |
| Other | 26 | 10W Peak | Other | 81 | 25W VHF |

| | | | |
|-----|----------------|-----|-------------------|
| 674 | CW QSOs | 909 | PHONE QSOs |
| 3 | Novice CW QSOs | 47 | Novice PHONE QSOs |
| 677 | Total CW QSOs | 956 | Total PHONE QSOs |

13. Total QSO points 2310 \times Power Multiplier (5 W or less, $\times 5$; 150 W or less, $\times 2$; over 150 W, $\times 1$) 2
 equals Claimed Score (less bonus points) 4620

14. Bonus points

Attach proof required for all bonus points claimed. All bonus points will be added at ARRL HQ

- ☒ 100% Emergency power
☒ Media Publicity
 Location in Public Place
 Information Booth

- ☒ Message to SM
☒ WIAW Field Day message
☒ Messages handled (no.) 1
☒ Satellite

- ☒ Natural Power
☒ Packet Radio
☒ VHF/UHF
☐ Other

15. This certifies that the station whose call appears above was operated in accordance with the current Field Day rules and that, to the best of my knowledge, the points and scores set forth in the above summary are correct and true. This station was operated in accordance with FCC rules and regulations. I agree to be bound by any decision of the ARRL Awards Committee.

Date 17 July 1993 Signed Lily Anne Hillis

Call N6P6M signature/call of club president

16. Full mailing address (please print):

Name Lily Anne Hillis N6P6M

Address 141 UNIVERSITY DR

Menlo PARK, CA 94025

MSD 140 (9/93)

POINTS HISTORY

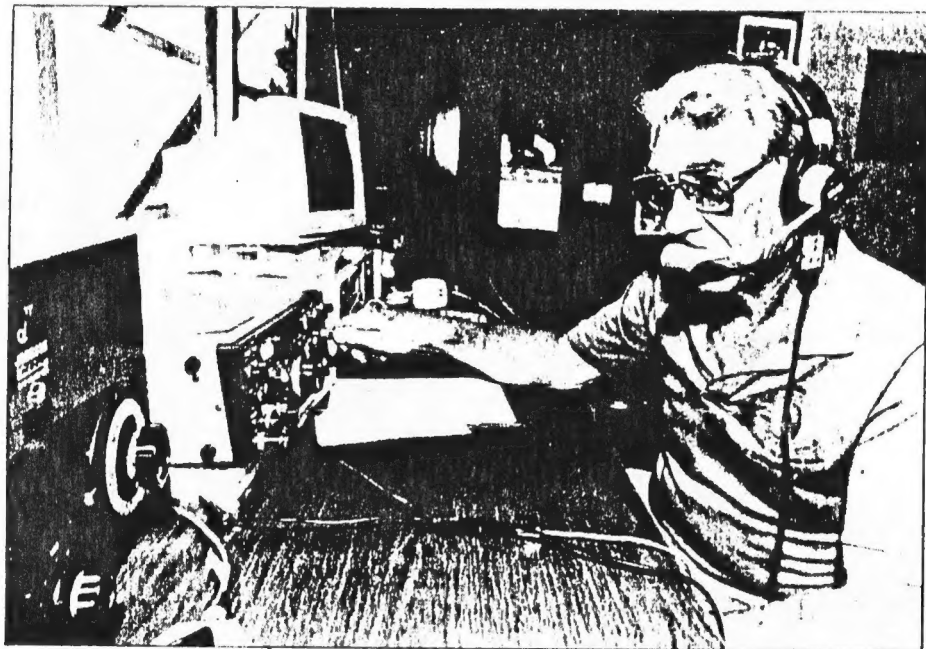
1989: 4,930 1990: 4,870 1991: 4,126 1992: 4,806 1993: 4,620

(IT'S KNOCK K6ITL)

The Times

San Mateo County's Daily Newspaper

Monday, June 28, 1993 A3



Tuning in to hams

MONICA DAVEY/The Times

Jim Knochenhauer of the San Mateo Amateur Radio Club tunes into another station during the nationwide test of emergency communications services over the weekend. The San Mateo members installed antennas and equipment at Central Park

and attempted to contact as many other stations as they could. Mayor Jane Baker declared last week Amateur Radio Week in the city in recognition of the contributions by ham operators, including 3,000 volunteer hours each year.

N6ITW IN NCDXC LEADERSHIP

WORLD CLASS DXER AND PAARA PICNIC
BAR-B-CUE ACE CRAIG N6ITW IS NOW THE
SECRETARY OF THE NORTHERN CALIFORNIA
DX CLUB. -ED



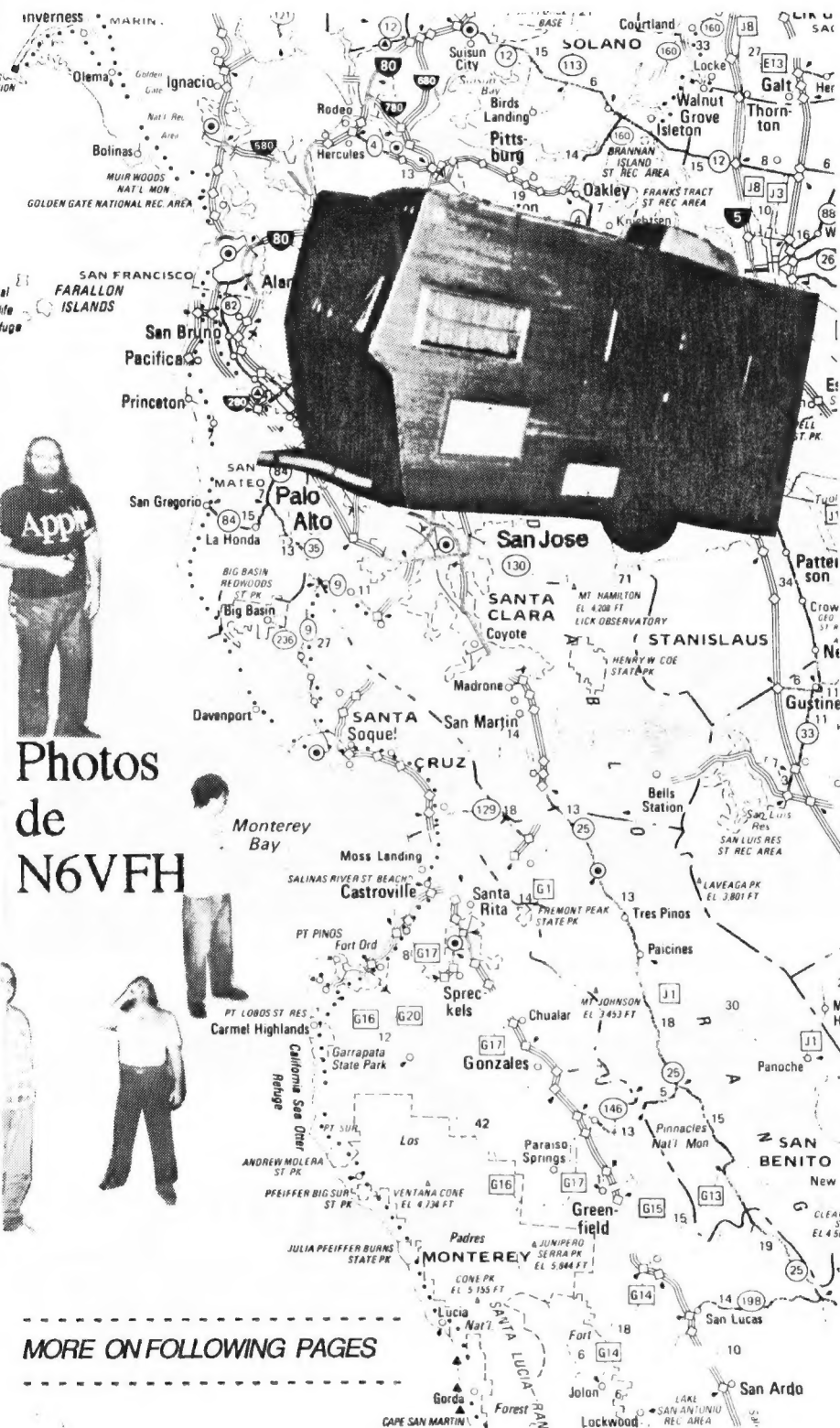
COAX

ON THE ROAD AGAIN !



LEFT TO RIGHT:
PAARA MEMBER/COAX V.P. MIKE KD6EUD WITH COAX TRAILER
COMMITTEE MEMBERS RICHARD KD6AWD, JOHN AVALOS (HAM
OF THE FUTURE), AND JOHN KD6LHL.

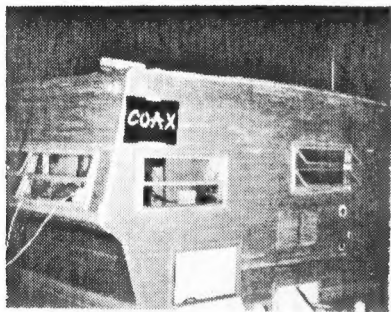
SHADES OF PAARA'S *FAMOUS* TRAILER, ANOTHER
MOBILE HAM OPERATIONS FACILITY OF THE FUTURE
HAS SURFACED....! IN TIME TO BE THE COAX (COALI-
TION OF AMATEUR EXPERIMENTERS) STATION ON
WHEELS ! CONGRATULATIONS TO THE COAX TRAILER
COMMITTEE IN THEIR EFFORTS OF RETROFITTING
THE VENERABLE ALUMINUM HULK TO ITS NEW (HAM)
EXISTENCE ! -ED.



Photos
de
N6VFH

MORE ON FOLLOWING PAGES

COAX TRAILER PHOTO ESSAY -- JULY 1993



Trailer illuminated for
night shift remodeling.



ED KD6KCA & JOHN AVALOS,
affixing the logo.



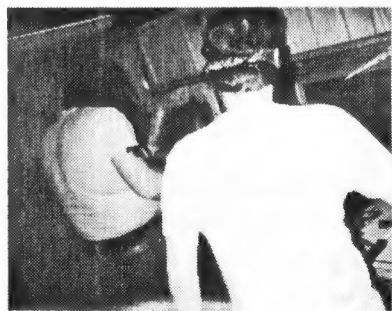
JOHN AVALOS in the trailer.



MIKE KD6EUD ripping out
olde fixtures.



ED KD6KCA in the trailer.



MIKE KD6EUD & ED KD6KCA,
pulling off olde paneling.

COAX TRAILER PHOTO ESSAY -- JULY 1993



ED KD6KCA & MIKE KD6EUD,
pulling out olde insulation.



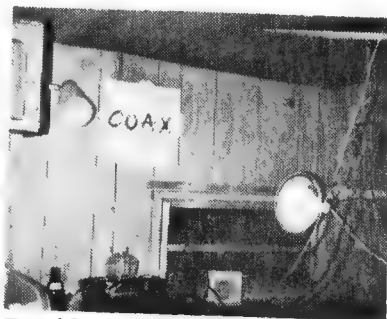
ED KD6KCA & MIKE KD6EUD.



Olde wheel wells covered in debris, interior
wall exposed. Also no more kitchen sink!



ED KD6KCA outside trailer.



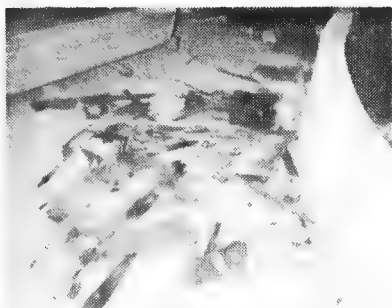
Trailer inside view.

MORE ON FOLLOWING PAGES

COAX TRAILER PHOTO ESSAY -- JULY 1993



Trailer inside view.



Part of debris removed from interior.



SANDI wants to go home!

"ORTHO" (NO CALL) the site
superintendent, checking things
out!

THE TRAILER WILL HENCEFORTH
BE KNOWN AS THE C3 (COAX
COMMUNICATIONS CENTER).-ED.



COAX TRAILER PHOTO ESSAY -- JULY 1993

**ACTUAL PHOTOS: COAX TRAILER
BECOMING RADIO-ACTIVE!**



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**MIKE KD6EUD (IN
THE TRAILER)
TUNING HOMEBREW 6
METER DIPOLE TO BE
USED FOR OFFICIAL
FIRST COAX TRAILER
CONTACT.**

----->

**7/18/93
FIRST COAX TRAILER
CONTACT: 6 METERS !
AJ6T, WALT, QTH
SARATOGA !**

**ACTUALLY
WITNESSED &
PHOTOGRAPHED BY
YOUR EDITOR AS IT
HAPPENED !**



1993 California(CA) QSO Party (CQP) Sponsored by the Northern California Contest Club

Begins: 1600 UTC - 2 October 1993

Ends: 2200 UTC - 3 October 1993

OBJECT:

Stations outside of California work as many California stations in as many CA counties as possible.
Stations in California work anyone.

EXCHANGE:

California stations send QSO number and county. Stations outside of California send QSO number and State, Province, or Country.

QSO POINTS:

Each complete non-duplicate Phone contact is worth 2 points. Each complete non-duplicate CW contact is worth 3 points. No partial contact credit. Duplicate contacts must be clearly identified in log.

MULTIPLIERS:

California stations count states (50) and Canadian Provinces (VO/VE1-7 and YV1/VE8) for a possible total of 58. All others use California counties for a maximum of 58. CA stations on a county line may be claimed as a multiplier for any or all of the counties they give in their exchange. Number each multiplier as worked.

SCORE:

The total score is the total number of QSO points multiplied by the total number of multipliers (58 Maximum).

FREQUENCIES:

160, 80, 40, 20, 15, 10, 6, and 2 Meters. WARC band contacts do not count. Suggest CW on 1805 and 40 kHz up from band edge. Phone on 1815, 3850, 7230, 14250, 21300, and 28450 KHz.
Novices 10 KHz up from band edge and 28450.

Try CW on the half hour.

Try 160 meters at 0500 UTC; 80/75 meters at 0300 and 0700 UTC.

Try 147.54 MHz at 2000, 0000, and 0400 UTC.

CLASS ENTRY:

Single Operator, Multi-Single, Multi-Multi, California County Expedition, Mobile, and Novice/Tech.

- Single Operator entries limited to 24 hours maximum; off times must be clearly marked in the log and be a minimum of 15 minutes.

- Multi-Operator entries may operate the full 30 hours.
- Stations may be worked once on CW and once on Phone per band.
- Single Operator and Multi-Single entries are allowed only one transmitting signal.
- All CW contacts must be made in the CW sub-band except for 160 Meters. MCW is not permitted.
- All contacts must be simplex.
- California stations that change counties are considered to be a new station and may be contacted again for point and multiplier credit. California stations operating on a county line may be counted only as one QSO.

ENTRIES:

All logs and signed summary sheets must be submitted to: **NCCCC, c/o Ken Anderson, K6PU, Box 853 Pine Grove, CA 95665**. Entries may be submitted in CT Version 8 format with .BIN, .SUM, and .ALL files on 5 1/4 or 3 1/2 diskettes (no 2.88M diskettes) with a signed hard copy summary sheet. Label each diskette with call entry category and state/county/province/country. All entries must be postmarked no later than 15 November 1993. Please include \$1.00 for results if desired. Entries of 200 or more QSOs must include duplicate check lists. For a CQP paperwork package containing log and summary sheets, county abbreviations, and contest records send a business size SASE to the above address.

AWARDS:

Certificates and a special CQP wine glass - To top Single Op entry in each CA county, state, province, country, and stations with 100 or more QSOs.

Trophies - To top three non CA Single Op entries, top three CA Single Op, top CA Multi Single, top CA Multi-Multi, top Single and Multi Op CA County expeditions.

Special CQP Wine Award - The top 20 CA and top 20 non-CA Single Op operators will receive a personalized bottle of NCCCC Private Reserve California Wine. Winners under the age of 21 will receive a non-alcoholic personalized award.

Special Trophies - To the CA and non-CA Single Ops with the most QSOs, the most CW QSOs, and the most Phone QSOs. to the Mobile Single Op or Team with the most QSOs, to the top CA and non-CA Single Op low power entries (200 watts or less output), to the top CA and non-CA Single Op Novice/Technician entries, to the top scorer outside of the USA and Canada, and to the top club in California (5 entries minimum - NCCCC and SCCC are ineligible).

K6WR / W6CF

BRAD K6WR and JIM W6CF....



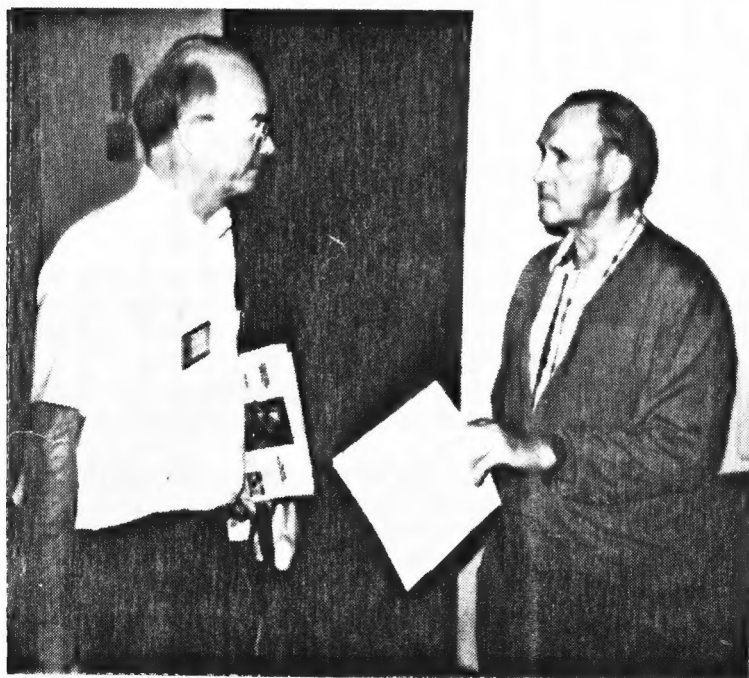
SEASONED LEAGUE LEADERS BRAD K6WR AND JIM W6CF PAID A CALL ON PAARA IN JULY TO DISCUSS THEIR APPROACHES TO ARRL AND HAM RADIO IN GENERAL; AS LIKELY MEMBERS OF A NEW LEAGUE HIERARCHY: WITH BRAD K6WR AS THE DIRECTOR AND JIM W6CF AS THE VICE DIRECTOR OF OUR PACIFIC DIVISION. IT WAS TO ALL APPEARANCES A WINNING COMBINATION. -ED.

BRAD WYATT
K6WR

JIM MAXWELL
W6CF

PHOTOS DE N6VFH

A WINNING TICKET VISITS PAARA



BRAD K6WR CHATS WITH PAARA'S JACK TROSTER W6ISQ AFTER THE JULY MEETING.